

ENGINEERING, MANUFACTURING AND INDUSTRIAL TECHNOLOGY

A Quarterly Newsletter for Teachers and Students Focusing on Recent Events and Developments in the EMIT Pathway

Office of Career and Technical Preparation

April 2005

Welcome to the third issue of the EMIT Newsletter, published by the Department of Labor & Economic Growth, Office of Career and Technical Preparation. This newsletter is intended to be informative and up-to-date. If you missed a past issue, it may be viewed at: http://www.michigan.gov/mdcd/0,1607,7-122-1680_2629_2724-101172--,00.html. The newsletter remains under development and your suggestions and comments will help it continue to be interesting and informative. Any ideas should be addressed to Patricia Talbott-Dills, (517) 373-0359 or talbott-dillsp@michigan.gov.

Many of you are receiving this newsletter via email and it is our desire to continue to expand this service because it is economical and it allows for the timely dissemination of date sensitive information. If you or a colleague have not provided us with an email address, please take a minute and send it to us.

Automotive Imperative

It is the policy of the Office of Career and Technical Preparation to bi-annually review the NATEF database to ensure that all automotive program certifications are current. Maintaining a valid certification was, and continues to be, a condition of your grant. Please be reminded that programs that have allowed their NATEF certifications to expire **will jeopardize their Added Cost Funding**. CEPD Administrators, CTE Directors, and Teachers are being sent letters of notification.

NATEF certifications are valid for a five-year period of time. Therefore the recertification process should ideally be started immediately after the fourth year. It is important that you work together as a team to insure its continuation. Also important is maintaining a copy of the certification documentation in the main office to share with newly hired administrators and teachers.

If you have questions concerning the NATEF requirements, contact them directly at: www.natef.org; or call Patricia Talbott-Dills, EMIT Pathway Consultant, at (517) 335-0359.



Automotive Instructor Workshops

Every year Atech Training conducts **Invitational Instructor Workshops**. Automotive service training workshops cover technical topics and teaching techniques, and emphasize hands-on instruction and discussion. More than \$1,000 worth of books and materials are given to each participant. They further state that each workshop satisfies the annual NATEF training requirements. In 2004, they received the Automotive Training Managers Council Award of Excellence.

Workshops are held in Indiana and are tuition free and all expenses paid. This year's workshops will be held on June 6-10 and October 17-21. "Novice, as well as veteran, secondary, postsecondary, and industrial instructors are invited to participate." There may be at least a two year waiting list and they select attendees based upon the number of high school, postsecondary, and industry instructors who are expected to attend. It also occurs to us that because they are covering all expenses, they may be expecting your organizations to purchase their proprietary products.

For detailed information, please view their site at: www.atechtraining.com or submit your application at: workshops@atechtraining.com.

Free Instructional Material

Building Homes of Our Own is a CD-ROM simulation that is being offered to educators as an interactive way to teach core concepts in math, science, civics, language arts, and technology classes. This PC based program challenges students to build, market, and sell their virtual home, motivating them to solve problems and exercise their thinking skills. It is free to classroom teachers and lesson plans are included! Check it out at: <http://homesofourown.org>.

Automotive Industry Planning Council

The **Automotive Industry Planning Council** is a national advisory group of industry leaders, career-technical educators, and educational policy makers whose mission is to “promote communication, cooperation, and excellence in automotive service training programs.” One of the methods they use to accomplish this mission is the *Automotive Award of Excellence in Automotive Technician Training Program*. ASE/NATEF Certified Schools are invited to participate. State winners are recognized in three categories: Secondary Program; Postsecondary – Generic Program and Postsecondary – Manufacturer Affiliated Program.

Eligible programs are: Automobile Technician, Collision Repair/Refinishing, and Medium/Heavy Duty Truck. After a state winner is selected, national winners receive their trophies and other awards at the Association for Career and Technical Education’s (ACTE) annual convention. The 2004 convention was held in Las Vegas. Judging from their published material, it appears that the application process is lengthy but the prizes awarded exceeded \$500,000, so it may be well worth the effort! Visit their website at: www.autoipc.org.

Power Tool Safety

The **Power Tool Institute** (PTI) is a resource for information on the safe use of portable and stationary power tools. Their website provides information on safe practices for each category of tools, lesson plans, student activities, quizzes and posters. Materials are downloadable and available free of charge. Online, you may also view four videos covering general

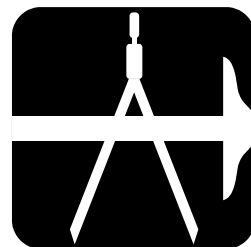
safety rules, table saw safety, miter saw safety, and circular saw safety. www.powertoolinstitute.com

Mechanical Engineering Design Day

The Michigan State University Department of Mechanical Engineering is having their Design Day at the MSU Union Building in East Lansing. This opportunity will be held on April 29, 2005. Another is planned for sometime early in December 2005. This is a hands-on conference that provides numerous unique opportunities for 7-12 grade students to participate in innovative activities involving experiential learning: It will provide:

- a) An opportunity to collaborate with students from other schools to solve engineering problems.
- b) An opportunity to attend professional sessions where graduating engineering students deliver formal presentations to a corporate audience of engineers from MSUs industrial partners, parents and other guests.
- c) An opportunity to interact with, learn from, evaluate, and then assign a grade to teams of engineering students. These teams design and build machines and mechanisms to perform various functions such as shredding vegetables or autonomously cooking and flipping a pancake.
- d) An opportunity to indulge in a free, all-you-can-eat luncheon. And many more activities.

For more information, contact: Professor Brian S. Thompson, (517) 355-2179 or thompson@egr.msu.edu.



National Association of Women in Construction

The National Association of Women in Construction (NAWIC) began as a small affiliation of women who were working in construction in Fort Worth, Texas. In 1955, they gained a national charter and today boast a membership of over 5,800 women in 200 chapters around the world! They are dedicated to enhancing the success of women in their industry by

sponsoring Career Days, building new homes through Habitat for Humanity, renovating historical sites, and many other civic activities. Mark your calendar for the NAWIC 50th Annual Meeting and Convention, September 7-10, 2005 at the Gaylord Texan Resort and Convention Center, Grapevine, Texas. At this convention, they bestow the Crystal Vision Award that recognizes two individuals which promote women in construction through initiatives, policies or legislation.

The four Michigan chapters are located in Grand Rapids, Detroit, Kalamazoo/Battle Creek, and Lansing. Learn more about this organization by visiting their website: www.nawic.org



Professional Development Opportunity

Tech Ed Concepts is hosting its annual summer camp June 27 to July 1, 2005, at the Radisson Hotel in Manchester, New Hampshire. This camp is being held exclusively for instructors and is a professional development opportunity providing 40+ hours of training, classroom materials, and curriculum designed to increase technology educators' knowledge of CAD/CAM. Attendees will have the opportunity to collaborate and network with certified professionals and fellow attendees from across the country and take home new classroom and curriculum ideas.

Depending upon the package you select, the registration fee for this training ranges from between \$900 and \$1,500. For further information please call TEC Summer Camp at 800-338-2238 or visit: www.tecedu.com/user_help/documents/Information%20Brochure.pdf

EMIT Resources

Are you aware that there are many resources available for teachers and students who are in the EMIT pathway? They include career planning/job search resources and professional organizations and their associated websites. Some of these are listed at:

www.michigan.gov/documents/EMIT_ResourceList_87368_7.doc. Please bookmark this URL, review the list, and refer back to it as the need arises. It is our plan to periodically add to this list, but occasionally we are made aware of sites that are really interesting, such as: www.howstuffworks.com.

Welding Certification Schedule

The Hobart Institute of Welding Technology has announced its 2005 schedule for the AWS Certified Welding Inspector/Educator preparation course and examination. The two-week course, held in Troy, Ohio, helps students prepare for the American Welding Society exam and includes all of the background information needed to successfully perform work as a certified welding inspector or educator. Students use the same tools that are used in the test kits for the practical, hands-on portion of the exam. Course starting dates are June 20, July 25, October 10 and December 5, 2005. The Institute may be contacted at: www.welding.org

Questions, comments, and/or suggestions regarding this newsletter, should be addressed to Patricia Talbott-Dills, (517) 335-0359 or talbott-dillsp@michigan.gov.

The Office of Career and Technical Preparation complies with all Federal laws and regulations prohibiting discrimination and with all requirements and regulations of the U.S. Department of Education. It is the policy of the Office of Career and Technical Preparation that no person on the basis of race, color, religion, national origin or ancestry, age, gender, height, weight, marital status, or disability shall be subjected to discrimination in any program, service or activity for which it is responsible, or for which it receives financial assistance from the U.S. Department of Education. Contact: Office of Civil Rights Administration Coordinator, Office of Career and Technical Preparation, P.O. Box 30712, Lansing, MI 48909. (517) 373-3373.

